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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/703,919	10/30/2000	Farrukh S. Najmi	SUN1P293	3191

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EXAMINER

KIANERSI, MITRA

ART UNIT	PAPER NUMBER
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2145

DATE MAILED: 12/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/703,919	Applicant(s) NAJMI, FARRUKH S.	
	Examiner Mitra Kianersi	Art Unit 2145	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 October 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 October 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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Claims 1-6 have been examined.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Skeen et al. (US Patent No. 5,966,531).

1. As per claim 1, a method of memorializing an e-business audit trail, comprising:

-determining if a message is to be sent to a subscriber by a message service; (another value added service is the Intelligent Multicast Protocol. This protocol involves the service discipline examining the subject of a message to be sent and determining how many subscribers there are for this message subject. If the number of subscribers is below a threshold set by determining costs of point-to-point versus broadcast transmission, the message is sent point-to-point. Otherwise the message is sent by the reliable broadcast protocol. Col 5, lines 60-67)

-if the message is to be sent, determining if an administrator coupled to the message service is running; (the distributed component 232 is coupled to a variety of service disciplines 234, 236 and 238. The service discipline 234 has the behavior, which will herein be called Market Data Subscription Service. This protocol allows data consumers to receive a continuous stream of data, fault tolerant of failures of individual data sources. This protocol suite provides

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mechanisms for administering load-balancing and entitlement policies. Col 25, lines 66-67 and col 26, lines 1-6)

-if the administrator is running, storing the message in a corresponding topic in the administrator; (another value added service is the Intelligent Multicast Protocol. This protocol involves the service discipline examining the subject of a message to be sent and determining how many subscribers there are for this message subject. If the number of subscribers is below a threshold set by determining costs of point-to-point versus broadcast transmission, the message is sent point-to-point. Otherwise the message is sent by the reliable broadcast protocol. Col 5, lines 60-67)

-if the administrator is not running, storing the message by the message service; (The database stores "service records" which indicate the various server processes that supply data on various subjects. The appropriate service record identifying the particular server process that can supply data of the requested type and the communication protocol (hereafter sometimes called the service discipline) to use in communicating with the identified server process is returned to the subject-mapper module. Col 10, lines 15-20)

-if the administrator is running, storing a response to the sent message in the topic in the administrator corresponding to the sent message; (another value added service is the Intelligent Multicast Protocol. This protocol involves the service discipline examining the subject of a message to be sent and determining how many subscribers there are for this message subject. If the number of subscribers is below a threshold set by determining costs of point-to-point versus broadcast transmission, the message is sent point-to-point. Otherwise the message is sent by the reliable broadcast protocol. Col 5, lines 60-67)

-if the administrator is not running, storing the response by the message service; (The database stores "service records" which indicate the various server processes that supply data on various subjects. The appropriate service record identifying the particular server process that can supply data of the

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requested type and the communication protocol (hereafter sometimes called the service discipline) to use in communicating with the identified server process is returned to the subject-mapper module. Col 10, lines 15-20)

-creating an audit trail by retrieving the stored sent message and the corresponding response. (Step 436 also represents the process of retrieving the message from local memory of the service and putting it into an inter process transfer process to send it to the protocol engine/daemon 30B in FIG. 15. col 41, lines 30-33)

2. As per claim 2, a method, wherein the message service is part of an enterprise computer system. (a communication system which can provide an interface between diverse software modules, processes and computers for reliable, meaningful exchanges of data while "decoupling" these software modules and computer processes and computers for reliable, meaningful exchanges of data while "decoupling" these software modules and computers.

3. As per claim 3, a method, wherein the enterprise computer system includes a subscribing portion coupling a first partner and a second partner. (Subject-based addressing starts with a subscribe call 188 to the subject mapper 180 by a client application 16 running on host computer 10. col 20, lines 8-10) and (91) In the specification, the subject-based addressing subscription service function is identified as TIBINFO. The TIBINFO interface consists of two libraries. The first library is called TIBINFO.sub.-- CONSUME for data consumers. The second library is called TIBINFO.sub.-- PUBLISH for data providers. An application includes one library or the other or both depending on whether it is a consumer or a provider or both. An application can simultaneously be a consumer and a provider. Col 22, lines 38-46)

4. As per claim 4, a method, wherein the subscribing portion comprises a subscription manager arranged to receive a message from the first partner;

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(When the class manager does not have a class descriptor it needs, it asks the foreign application that created the class definition for the class descriptor. It then receives a class descriptor in the format of a form as generated by the foreign application. Col 71, lines 29-36)

a subscription message adapter coupled to the subscription manager arranged to convert the first partner message from a first partner message format to a second partner message format; (Format Operation: An operation to convert a form from one format to another format. Col 72, lines 48-49)

a partner adapter coupled to the subscription manager adapter arranged send the appropriately formatted message to the second partner and register a subscription on the subject by sending a subscription registration message, claim 19(the client applications coupled to the communications interface have the freedom and responsibility to establish conventions regarding use and interpretations of various subject categories. Col 10, lines 30-38)

5. As per claim 5, a method, wherein the enterprise computer system includes a receiving portion coupling the second partner and the first partner. (data format decoupling is provided such that a first process using data records or forms having a first format can communicate with a second process which has data records having a second, different format without the need for the first process to know or be able to deal with the format used by the second process. This form of decoupling is implemented via the data-exchange component of the communication interface software system. Col 4, lines 13-20)

6. As per claim 6, a method, the receiving portion comprises
-a delivery message adapter coupled to the partner adapter suitably configured to receive a response from the second partner by way of the partner adapter arranged to convert the response from the second partner message format to the first partner message format; (a delivery manager coupled to the delivery message adapter arranged to deliver the response to the first partner. (the data-exchange component of the communication interface according to the

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teachings of the invention includes a forms-manager module and a forms-class manager module. The forms-manager module handles the creation, storage, recall and destruction of instances of forms and calls to the various functions of the forms-class manager. The latter handles the creation, storage, recall, interpretation, and destruction of forms-class descriptors, which are data, records which record the format and semantic information that pertain to particular classes of forms. The forms-class manager can also receive requests from the application or another component of the communication interface to get a particular field of an instance of a form when identified by the name or meaning of the field, retrieve the appropriate form instance, and deliver the requested data in the appropriate field. col 4, lines 21-40) and (the DCC software guarantees "at-most-once" semantics with regard to message delivery and makes a best attempt to ensure "exactly-once" semantics. The DCC has no exposed interface for use by application programmers. Col 25, lines 62-65)

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mitra Kianersi whose telephone number is (571) 272-3915. The examiner can normally be reached on 7:00AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Harvey can be reached on (571) 272-3896. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mitra Kianersi
Dec20/2004


JACK B. HARVEY
SUPERVISORY PATENT EXAMINER